



State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

1594 West North Temple, Suite 1210  
PO Box 145801  
Salt Lake City, Utah 84114-5801  
(801) 538-5340 telephone  
(801) 359-3940 fax  
(801) 538-7223 TTY  
www.nr.utah.gov

Michael O. Leavitt  
Governor

Robert L. Morgan  
Executive Director

Lowell P. Braxton  
Division Director

July 10, 2003

CERTIFIED RETURN RECEIPT  
7099 3400 0016 8895 6047

Lon Thomas  
Star Stone Quarries, Inc.  
4040 South 300 West  
Salt Lake City, Utah 84107

Re: Initial Review of Amended Notice of Intention to Commence Large Mining Operations, Star Stone Quarries, Inc, Cotton Thomas Quarry, M/003/024, Box Elder County, Utah

Dear Mr. Thomas:

The Division has completed our review of your Amended Notice of Intention to Commence Large Mining Operations for the Cotton Thomas Quarry, located in Box Elder County, Utah, which was received June 30, 2003. After reviewing the information, the Division has the following comments, which will need to be addressed before approval may be granted.

The comments are listed below under the applicable Minerals Rule heading. Please format your response in a similar fashion. Please provide a response to this review August 11, 2003.

The Division will suspend further review of amendment for the Cotton Thomas Quarry Notice of Intention until your response to this letter is received. If you have any questions in this regard please contact me, Lynn Kunzler or Doug Jensen of the Minerals Staff. If you wish to arrange a meeting to sit down and discuss this review, please contact us at your earliest convenience. Thank you for your cooperation in completing this permitting action.

Sincerely,

D. Wayne Hedberg  
Permit Supervisor  
Minerals Regulatory Program

jb

Attachment: Technical Review Document

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## **REVIEW OF AMENDED NOTICE OF INTENTION TO COMMENCE LARGE MINING OPERATIONS**

**Star Stone Quarries, Inc.  
Cotton Thomas Quarry**

**M/003/024  
(July 8, 2003)**

### **R647-4-104 – Operator(s), Surface and Mineral Owner(s)**

The three soil stockpiles shown for the East Granite Quarry are not located on your property. Please provide evidence that you have an agreement or authorization from the adjacent land owner (Pickett's) to utilize their property for this mining-related purpose. (LK)

### **R647-4-105 - Maps, Drawings & Photographs**

#### ***105.3 Drawings or Cross Sections (slopes, roads, pads, etc.)***

The maps provided do not show how the soil stockpiles will be accessed (several of the proposed stockpiles are in excess of 100 feet from the proposed extent of disturbance). Will the stockpiles be built by 'dozing' the salvaged soils to the stockpile area, or will the soil be loaded on trucks and dumped at the stockpile locations? Please show all areas to be affected by soil salvaging, stockpiles, access and soil redistribution activities. (DJ & LK)

### **R647-4-106 - Operation Plan**

#### ***106.3 Estimated acreages disturbed, reclaimed, annually.***

Please provide an estimate of the acreage that will be disturbed by the soil stockpiling activities. Please show the proposed size of the stockpile and access to same. The plan states that the stockpiles will be spread by a dozer, therefore the area between the piles and the areas to be reclaimed will need to be included in the total disturbance calculation of each site.

A majority of the soil stockpile locations are located outside of the 89.57 acres of disturbance proposed in the initial proposal. These stockpile locations, access roads, and impacted areas will need to be estimated so they can be included as a part of the final plan of impacted acreage. (DJ & LK)

#### ***106.5 Existing soil types, location, amount***

Please provide an estimate of the soil volume (cubic yards) that will be placed in each of the soil stockpiles.



Stockpile locations shown near the East Granite, Autumn Gold and Aspen Frost are below cliff areas. Please describe how you intend to push or otherwise transport these soils to the disturbed areas for reclamation.

The stockpile locations near the Klondike Gold are located on areas currently covered by an angle of repose waste dump. Please describe the method to be used to store the soil at this location.

Mining activities have ceased at the East Granite and West Granite areas, where will the soil come from to place in the stockpiles for these two areas? (DJ & LK)

**106.6 *Plan for protecting & redepositing soils***

Please describe how stockpiles will be protected from impact (i.e. berms and signage, etc.) and erosion (concurrent seeding? - include species and rates). (LK)

**R647-4-110 - Reclamation Plan**

**110.2 *Roads, highwalls, slopes, drainages, pits, etc., reclaimed***

Road #10 and the upper portion of road #8 (as shown on the map) may be left for post mining access to the northern portions of your property. Please stabilize the cut and fill portions and the berms associated with these roads by seeding them with the approved seed mix this fall. Road #11 accessing your property to the east, will not be considered as a mining access road until such time that it is used for mining related purposes. It is suggested that the cut and fill portions of this road be seeded as well to help stabilize this road. Other roads identified in the amendment that will be reclaimed will continue to be bonded until the reclamation work is completed and the revegetation has been determined to be successful. (LK)

**110.3 *Description of facilities to be left (post mining use)***

Refer to comments under R647-4-110.2. (LK)

**R647-4-111 - Reclamation Practices**

**111.8 *All roads & pads reclaimed***

Refer to comments under R647-4-110.2. (LK)

**111.12 *Topsoil redistribution***

Please refer to comments under R647-4-106.5. (LK)

**R647-4-113 - Surety**

Until the comments in this review are addressed, an adjusted surety will not be calculated. (DJ)